``Influence of heavy modes on perturbations in multiple field inflation''

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- We have studied the influence of heavy modes in inflation

- Potential basis consists of eigenvectors of Hessian matrix

- Sudden turn and mass hierarchy for inflationary trajectory

  - Sharpness of the turn is governed by the ratio μ/m_h

  - For a soft turn, single field effective theory is valid

     Power spectrum oscillates in k

  - For a sharp turn, single field effective theory breaks down

      Oscillatory behavior in background $\Rightarrow$ New features

      Analytic expression for the power spectrum